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FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEY and WATER SUPPLY FORECASTS for WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.

and

STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Forest Service, Bureau of Reclamation, National Park Service, and other Federal, State and private organizations.

MAR. 1, 1958

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1300 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

| REPORTS RIVER BASINS | ISSUED | COOPERATING WITH | LOCATION |
|---------------------------|----------------------------------|--|-----------------------|
| | MONTHLY (FEBMAY), | COLO. EXP. STATION | FT. Collins, Colo. |
| COLUMBIA Includes Alaska. | MONTHLY (JANMAY) | | BOISE, TOAHO |
| UPPER MISSOURI | MONTHLY (FEB MAY) | MONT.AGR.EXP.STATION | |
| WEST-WIDE | SEMI-ANNUALLY (OCT. 1 AND APR.1) | COOPERATORS | PORTLANO, OREGON |
| STATES | | | |
| ARIZONA | | SALT R. VALLEY WATER | PHOENIX, ARIZONA |
| NEVADA | MONTHLY (FEBAPR.) | NEVADA STATE ENGINEER | RENO. NEVAOA |
| OREGON | (YAMMAY) | ORE.AGR.EXP.STATION | PORTLAND, OREGON |
| UTAH | Monthly (JanMay) | UTAH STATE ENGINEERUTAH AGR.EXP.STATION | SALT LAKE CITY, UTAH |
| Washington | MONTHLY (FEBMAY) | Wash. State Dept. ofConservation ano Development | SPOKANE, WASHINGTON |
| WYOMING | MONTHLY (FEB JUNE) | | CASPER, WYOMING |
| Contract of the | | secured form Hood Water Supr | ly Foregoring Section |

Copies of the various reports may be secured from: Head, Water Supply Forecasting Section Soil Conservation Service 209 S.W. 5th Avenue, Portland 4, Oregon

PUBLISHED BY OTHER AGENCIES

| BRITISH COLUMBIA MONTHLY | (FEBJUNE) |
|--------------------------|-----------|
| CALIFORNIAMONTHLY | (FEBMAY) |

FEDERAL-STATE COOPERATIVE

SNOW SURVEYS AND WATER FORECASTS

FOR WYOMING

Issued
March 1, 1958

Report Prepared
by
George W. Peak
Wyoming Snow Survey Supervisor
Soil Conservation Service
345 East 2nd Street
P. O. Box 699
Casper, Wyoming

Issued by

B. H. Hopkins State Conservationist Soil Conservation Service Earl Lloyd State Engineer of Wyoming Cheyenne, Wyoming



FOR

WYOMING

MARCH 1, 1958

The March 1, 1958 prospective supplies throughout Wyoming range from 17% above normal in the Salt River to 30% below average in the Upper Wind River Basin. Assuming 100% as normal, these figures are indicated on the map as 117% and 70% of the 1938 to 1952 averages.

The soil moisture beneath the snow pack is generally well above average and will require less snow melt water to reach field capacity.

Reservoir storage throughout the state is considerably above the normal amount for this time of year. Usable storage is standing at about 135% of the average contents for March 1.

The Snake River Basin on the Columbia is expected to discharge 94% of average into Jackson Lake and 2,700,000 acre feet of water or 92% of normal into Palisades Reservoir at the Wyoming-Idaho state line.

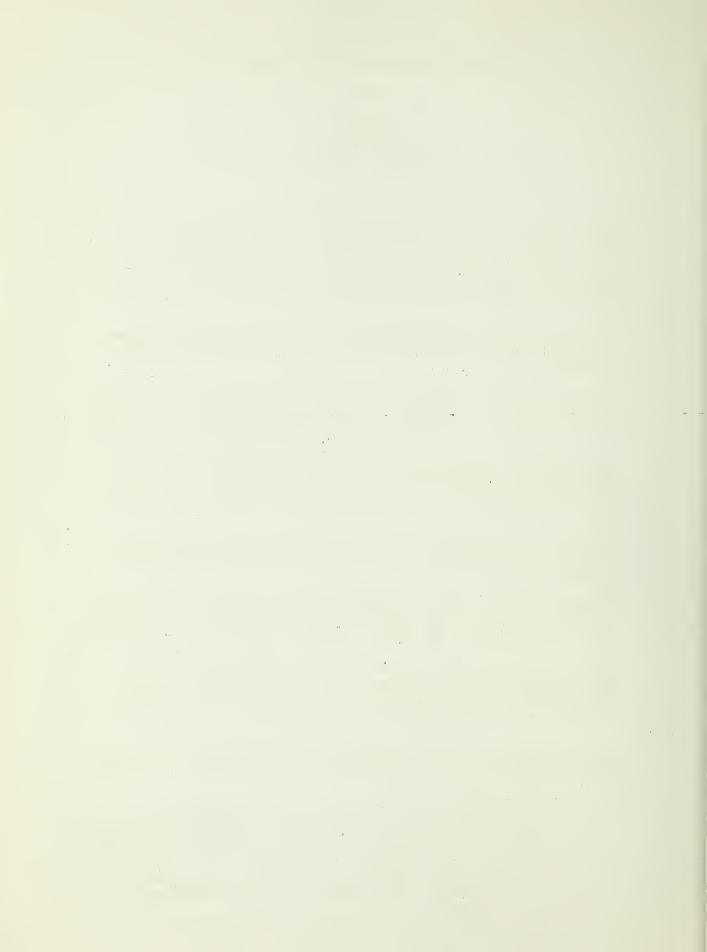
The Salt and Greys River snow pack is the highest in the state containing an anticipated yield of 117% of the average April to September runoff.

Buffalo Bill reservoir is expected to receive 90% of normal from the Shoshone river. The Green River and the Bear River watersheds will also yield close to 90%.

The Big Horn Mountains are down to about 80% of normal and the Wind River Basin is the lowest in the state with an expected yield of 74% at Dubois, 82% for the North Fork of the Popo Agie and 75% for the little Popo Agie.

A heavy storm, following the snow surveys on the Wind River network, has improved these figures to some extent and will show up in the revised April 1 report.

The North Platte River Basin went into the winter with soil *
moisture conditions well above normal. The close to normal amount *
of water in the basin snow pack south of the state line will there-*
fore yield above normal supplies. North of the state line, the *
snow packs above Encampment and on Snowy Range are a little above *
average and will provide satisfactory yields in the Encampment and *
laramic River Basins. *



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WYOMING STREAM-FLOW FORECASTS MARCH, 1958

| | | pril - Sept | ombor 30 | - | |
|-------------------------------------|----------|-------------|----------|-------------|-----------------|
| BASIN AND TRIBUTARY | | Stream-Flow | | ands of A | cre Fest |
| | FORECAST | PERCENT | | | 15-Year |
| | RUNOFF | 15-Year | | d Runoff | Average |
| | | AVERAGE | 1955 | 1954 | 1938- 52 |
| MAAN TO AM TATIFIED | | | | | |
| MADISON RIVER West Yellowstone (at) | 174 | 88% | 183 | 219 | 198 |
| YELLOWSTONE RIVER | T 1.7 | 00/3 | 100 | 219 | 190 |
| Corwin (at) | 1608 | 86% | 1527 | 2014 | 1870 |
| NORTH POPO AGIE | 1000 | 0070 | 10.5 / | 2013 | 1070 |
| Milford (near) | 71 | 82% | | 57 | 87* |
| LITTLE POPO AGIE | | 0/- | | • • | |
| Lander (near) | 40 | 75% | 25 | 39 | 53** |
| WIND RIVER | | · | | | |
| Dubois (at) | 76 | 74% | 66 | 105 | 102** |
| SHOSHONE RIVER | | | | | |
| Buffalo Bill Dam (below) (3) | 740 | 90% | 566 | 788 | 823 |
| SHELL CREEK | | | | | |
| Shell (near) | 59 | 80% | | 72 | 74** |
| LARAMIE RIVER | 330 | 3.0501 | | 1.0 | 7.05 |
| Jelm (at) (4) ENCAMPMENT RIVER | 110 | 105% | | 46 | 105* |
| Encampment (near) | 160 | 100% | 86 | 72 | 160* |
| NORTH PLATTE RIVER | 100 | 100% | 00 | 16 | 1004 |
| North Gate (at) | 262 | 107% | 128 | 69 | 245 |
| Saratoga (at) | 700 | 107% | 319 | 234 | 657 |
| GREEN RIVER | , 55 | | | | 3 3 . |
| Warren Bridge (at) | 293 | 88% | 253 | 354 | 333 |
| | | | | | |



WYOMING STREAM-FLOW FORECASTS MARCH, 1958

| | | April - Sep | | | |
|---------------------------------|----------|-------------|------------|------------|---------|
| BASIN AND TRIBUTARY | | Stream-Flow | in Thou | sands of A | |
| | FORECAST | PERCENT | | | 15-Year |
| | RUNCFF | 15-Year | | ed Runoff | Average |
| | | AVERAGE | 1955 | 1954 | 1936-52 |
| | | | | | |
| NORTH PINEY CREEK | | | | | |
| Mason (near) | No Repor | rt | | 35 | 37 |
| NEW FORK CREEK | 1 | | | | |
| Boulder (near) | 232 | 94% | | 259 | 248 |
| GREEN RIVER | | · | | | |
| Fontenelle (at) | 837 | 90% | | 896 | 951 |
| SNAKE RIVER | | | | | |
| Moran (at) (5) | 805 | 94% | 738 | 1010 | 858 |
| PACIFIC CREEK | | | | | |
| Moran (near) | 154 | 93% | 142 | 230 | 166** |
| BUFFALO FORK | | | | | |
| Moran (near) | 304 | 85% | 315 | 418 | 356** |
| GROS VENTRE | | | | | |
| Kelly (at) | 230 | 88% | 199 | 293 | 261** |
| HOBACK | | a | | | |
| Jackson (near) | 348 | 90% | 290 | 448 | 386** |
| SNAKE RIVER | | 1 | | | |
| State Line (at) (5) | 2700 | 92% | 2516 | 3250 | 2929** |
| SALT RIVER | 407 | 7.7.001 | 077 | 0.05 | T.0.0 |
| State Line (at) | 423 | 117% | 231 | 287 | 360 |
| BEAR RIVER | 100 | 2011 | 5 4 | | 7.40 |
| Evanston (near) | 127 | 89% | 74 | 55 | 142 |
| Randolph (near) | 87 | 75% | 26 | 15 | 116* |
| Harer (at) Idaho SMITHS FORK | 253 | 90% | 116 | 100 | 281 |
| | 94 | 83% | 78 | 20 | 7714 |
| Border (near) | 94 | 00/0 | 10 | 89 | 114* |

All stream data taken from observed flow records with the following exceptions:

⁽¹⁾ Observed flow corrected for storage in Bull Lake and Pilot Butte reservoirs.

⁽²⁾ Observed flow corrected for storage in Boysen, Bull Lake and Pilot Butte Reservoirs.

⁽³⁾ Observed flow corrected for storage in Buffalo Bill Reservoir and Hart Mountain Diversion.

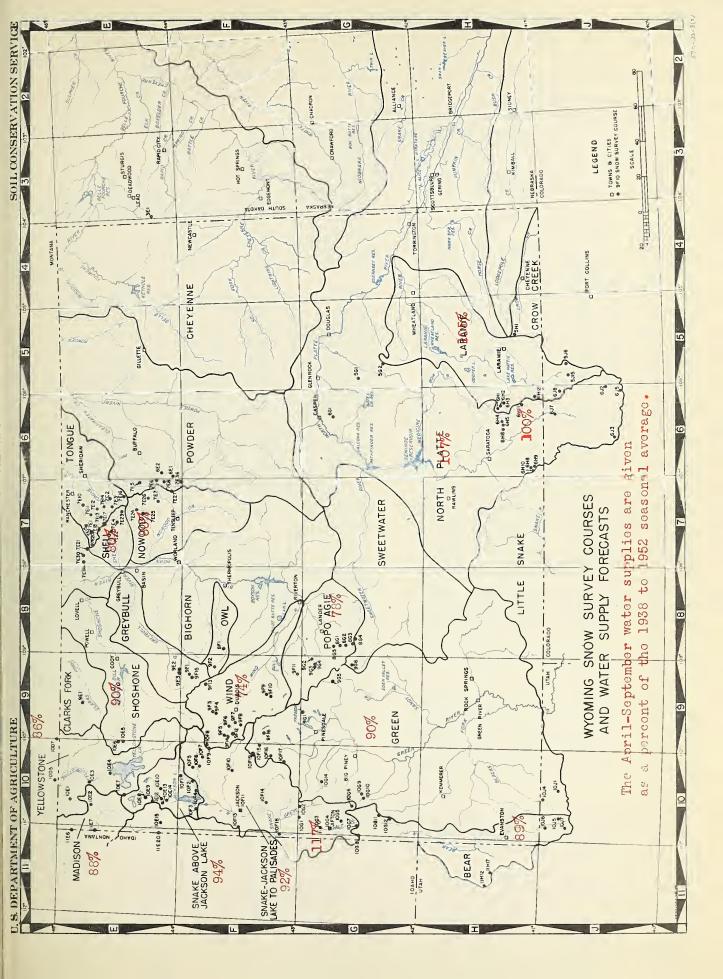
⁽⁴⁾ Observed flow corrected for Colorado diversion above station,

⁽⁵⁾ Observed flow corrected for Jackson Lake Storage.

^{*} Loss than 15.

^{**} Estimated 1938-52 average.





INDEX TO WYOMING SNOW COURSES

| Drsinage Basin | Wyoming | | LCCATI | ION | Range | Record | Mona | Mean. | Drainage Saein | Wygmin | | LOCATI | ion | Sance | Repord | Vens. | hoge. |
|--|-----------------------------|-------------------------------|------------------|-----------------------|---|----------------------|---------------------------------|-------------|--|-------------------------|--------------------------|------------------------|----------------------|--------------------------------------|-----------------------|-----------------------------------|---------------|
| and Course Name | Number | Elev. | lat. | Twp. | Long. | Кесога | Dates a | By | end Course Kame | Number | Elev. | Lat. | Pwp. | Range Long. | Segan | Dater ^a | ву |
| MADISON RIVER | | 1550 | WI KINE | RDRAINAGE | | | | | CROW CREEK | | E12201 | AL YIVER | RDRAINAGE | | | | |
| Norris Basin 21 Mile =m | 10E2 11E6 | 7500 7150 | 44044* | 115 | 110°42' 5E | 1936 1934 | 3,4 1,2,3,4,5 | 2 | Pole Mountain #2 | 5H 1 | 8700 | 35 | 1 5 N | 72K | 1936 | 2,3,4,5 | 1,4 |
| West Yallowstone Wm. YELLOWSTONE | 1127 | 6700 | 34 | 138 | 5£ | 1934 | 1,2,3,4,5 | 5 | NORTH PLATTE | 6911 | 9400 | 18 | 141: | 78% | 1949 | 2,3,4,5 | 1 |
| Canyon | 10E3 | 7750 7400 | 44°44° | 98 | 110°30' | 1938 | 1,2,3,4,5 | | Bottla Creek Soxeldar | 6118 5G1 | 8200 9000 | 24 31 | 14 N 301: | 85W 75W | 1936 1950 | 2,3,4,5 | 1,4 |
| Cooke City am Crevice Mountain am East Entranca | 10D5 10E6 | 8400 7000 | 22 17 | 95 52% | 14B 9E 10 9W | 1935 1948 | 1,2,3,4,5 3,4 1,2,3,4,5 | 2 4 2 | Camper Mountain Columbine #C Fox Park | 661 6J3 6H12 | 9300 9200 | 16 21 21 | 32N 5K 13N | 79% 62% 76% | 1954 1936 1936 | 1,2,3,4,5 2,3,4,5 2,3,4,5 | 1 4 |
| Leke Camp Lupine Creek Thumb Divide | 10E4 10E1 10E7 | 7850 7300 7900 | 44°54° 44°52° | | 110°24' 110°37' 110°35' | 1937 1938 1946 | 1,2,3,4,5 1,2,3,4,5 2,3,4 | 1 2 3 | LaBonte North Sarrett Creek#2 | 5G2 6H5 | 8450 9400 | 11 30 | 27N 168 | 747 8017 | 1949 1936 1938 | 2,3,4,5 | 1,4 |
| Sylvan Pase | 10E5 | 7100 | 12 | 52N | 1107 | 1935 | 1,2,3,4,5 | 2 | North French Creek#1 North French Creek#2 Northgate *c | 6!14 6/114 6J 7 | 10 200 10 200 8500 | 27 27 7 | 16N 16N 11N | 80W 79W | 19 5 6 1950 | 2,3,4,5 2,3,4,3 2,3,4,5 | 1,4 |
| Lodgepole | 9E1 | 8200 | 32 | 56N | 10 <i>G</i> W | 1940 | 2,3,4,5 | 1,4 | Cld Battle Park View °C Ryan Perk #2 | 6H10 6J2 6H6 | 9800 9200 8400 | 29 24 34 | 145 58 168 | 85W 76W 81W | 1936 1936 1936 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1,4 |
| TIND RIVER | | | | | | | | | Webber Spring | 6119 6J5 | 9000 | 27 | 14 N 4 N | 85W 76% | 1936 1938 | 2,3,4,5 | 1,4 |
| Sig Warm Srooke Lake #3 Burroughe Creek | 9F12 10F8 9F4 | 9200 9200 8800 | 36 23 16 | 42N 44N 43N | 109W 110W 107W | 1955 1939 1948 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | CHEYENKE RIVER | | 3300 | • | • | | 1.00 | .,.,.,. | |
| Dinwoodie Dry Greek | 9F10 9F9 9F6 | 10000 9500 8750 | 9 34 27 | 38N 4N 42N | 105W 105W | 1948 1948 1940 | 2,3,4,5 | 1 1 1 | Upper Spearfish *5 | 3E1 | 6500 | 21 | 3 N | 1E | 1944 | 2,3,4 | 4 |
| Dulloir East Fork Seyser Greek | 9F13 9F7 | 9200 8500 | 23 12 | 4427 41N | 104W 108W | 1956 1948 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 | GREEN RIVER | | COLORA | DC SIVE | R DRAINAGE | | | | |
| Little Warm Sheriden R.S. #1 *f Sheriden R.S. #2 | 9F8 9F5 9F14 | 9500 7500 7500 | 24 3 3 | 41N 42N 42N | 108# 109# 109# | 1948 1939 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | Big Perk Blind Bull | 10G11 10G2 | 8700 8750 | 7 | 271/ 34 N | 117# 115% | 1951 1948 | 2,3,4,5 | 1 |
| T-Cross Rench Forwotee Pass | 973 10F9 | 8000 9600 | 1 29 | 43)} 44N | 107if 110# | 1940 1936 | 2,3,4,5 | 5 | Dutch Joe R.S. East Rim Divido | 965 10F17 | 8700 7950 | 32 32 | 31' 37N | 104W 111W | 1936 1936 | 2,3,4,5 | |
| POPO AGIE RIVER | 8-5 | 9500 | 21 | 314 | 101W | 1939 | 2346 | 1 | Green River Lakes Gree Ventra Hewinta R.S. ^{Su} | 9F16 10F19 10J4 | 8100 8750 9500 | 30 36 33 | 39 40N 3N | 108# 114# 13E | 1956 1948 1930 | 2,3,4,5 | 1 |
| Blue Ridge Bruce's Camp Hobbs Park | 852 865 963 | 6500 10000 | 23 24 22 | 31N 32N 2S | 10 1W 3W | 1955 1948 | 2,3,4,5 2,3,4,5 | 1 | Hole-in-the-Rook *u Kelly R.S. Kendell R.S. | 10J1 10G12 10F15 | 9150 8200 7900 | 13 13 23 | 2N 26N 38E | 15E 118W 110W | 1931 1951 1936 | 4 2,3,4,5 2,3,4,5 | 1 1 |
| Losquito Ferk R.S. Sawmill Glade South Pasa | 904 801 863 | 9500 8500 9000 | 23 3 13 | 2S 31N 30N | 3W 101W 101W | 1940 1939 1939 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | Loomis Park Kulligan Park | 10F16 9G1 6E10 | 8500 8900 9800 | 14 17 29 | 37N 35K 14K | 111W 108W 85W | 1936 1936 1936 | 2,3,4,5 | 1 1 1 . 4 |
| St.Lawrence R.S. Trout Creek | 9F 11 9G 2 | 9000 8400 | 26 3 | 1 N 2S | 4W 2W | 1940 1948 | 2,3,4,5 | 1 | Old Battle Pirey-LaBerge Poison Nesdows | 10G10 10G6 | 8820 8500 | 19 29 | 29N 30N | 114W 116W | 1937 1948 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 |
| OWL CREEK | | | | | | | | | Snyder Basin R.S.#1 Snyder Basin R.S.#2 Soda Lake | 1009 10013 10014 | 8040 8040 8300 | 13 15 14 | 29% 29% 33% | 114% 114# 115W | 1937 1956 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 |
| Senvers Mill Owl Creek | 9F2 8F1 | 8900 8700 | 6 36 | 43N 43N | 10 1W | 1948 1948 | 2,3,4,5 | 1 | | | COLUMN | la RIVE | R DRAINAGE | | | | |
| GREYBULL RIVER Timber Creek #1 | 9E2 | 8800 | 25 | 47N | 103W | 1948 | 2,3,4,5 | i. In | SKAKE RIVER SASIN (Ab | ove Jack | 6850 | 3 | 46N | 113W | 1919 | 2,3,4 | 5 |
| Timber Creek #2 Wood River #1 Wood River #2 | 9E3 9F1 9F15 | 8800 8000 8000 | 25 28 28 | 47% 46% 46% | 103W 103W 103W | 1956 1939 1956 | 2,3,4,5 | | Aster Creek Base Camp | 10E8 10F2 | 7700 6900 | 44017 | 46N | 110°37* | 1919 1947 | 2,3,4 | 5 5 2 |
| SHOSHONE RIVER | 91 10 | 0000 | 20 | 400 | 1004 | 1930 | 2,3,4,5 | • | Coulter Creek Glade Creek Graeey Lake | 10E10 10E13 10E13 | 7600 7200 7265 | 44009° 44008° 6 | 48N | 110o33' 110o44' 117W | 1919 1919 1940 | 2,3,4 2,3,4 2,3,4,3 | 3 6 |
| East Entrence Sylvan Pass | 10£6 10£5 | 7000 7100 | 17 12 | 82N 52N | 109W 110W | 1948 1936 | 1,2,5,4,5 | 2 2 | Huckleberry Divide Lewis Lake Divide Moran | 10E14 10E9 10F4 | 7300 7900 6800 | 32 44°13' 8,17 | 48N 45K | 115# 110 ⁰ 40' 114W | 1919 1919 1919 | 2,3,4 2,3,4,5 2,3,4 | 5 5 5 |
| NOWOOD SREEK | | | | | | | | | Moren Say Smake River Station Thumb Divide | 10F3 10E12 10E7 | 6800 5780 7900 | 14 44°08' 44°22' | 45N | 116W 110°40' 110°35' | 1919 1919 1951 | 2,3,4 | 5 5 5 |
| Cold Springe Camp Medicine Lodge Lakee | 7E25 7E24 7E8 | 8700 9500 9700 | 1 7 11 | 50N 51K | 86W 87W | 1956 1955 1950 | 2,3,4,5 | 1 1 | JACKSON LAKE TO PALIS | | 1000 | | | 120 00 | 2002 | 2,0,1 | |
| Nunkers Pass %d North Powder #2 %e Onion Gulch | TE36. TE27 | 8300 8100 | 20 31 | 48N 47N 48N | 85 W 85 W 85 W | 1956 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 | Afton R.S. Slackrook | 10G4 10F7 | 6200 8600 | 30 4 | 3 2N 44 N | 118W 111W | 1936 1936 | 2,3,4,5 | 4 5 |
| Tensleep Lake Tensleep R.S. Tyrell R.S. | 7E26 7E7 7E35 | 90.75 630.0 83.00 | 33 30 30 | 50N 49N 49K | 86W 86W | 1956 1935 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | 81ind 8ull Bryan Flat CCC Camp | 10G2 10F14 10G7 | 6250 7500 | 6 9 | 34N 36N 29N | 115W 115W 118W | 1948 1936 1936 | 2,3,4,5 1,2,3,4,5 2,3,4,5 | 1 1 1,4 |
| SHELL CREEK | | | | | | | | | Cottonwood leke Deedman Ranch East Rim Divide | 10G5 10G1 10F17 | 7500 6534 7950 | 25 28 32 | 31N 35N 37N | 116W 116W 111W | 1936 1935 1936 | 2,3,4,5 1,2,3,4,5 1,2,3,4,5 | 1,4 |
| 8aló Mountain Beaver-Tongue Divido Bone-Spring Divide | 7E21 7E20: 7E18 | 9600 9200 9200 | 33 12 32 | 56N 55N 55N | 91W 91W 89W | 1955 1956 1956 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | Four Eile Eeadows Greys Boundary Gros Ventre | 10F6 10F18 10F19 | 7770 5800 8750 | 35 33 35 | 45N 37N 40N | 112W 118W 111W | 1936 1936 1948 | 2,3,4,5 | 5 |
| Granite Crack Camp Granite Pass | 7822 7E17 | 7800 6950 | 15 19 | 53N 54N | 69W 88W | 1955 1956 | 2,3,4,5 | 1 1 | Grover Park Divide Loomie Park | 1063 10F15 | 7500 8500 | 27 14 | 33 N 37 N | 116W 111W | 1935 1935 | 2,3,4,5 1,2,3,4,5 2,3,4,5 | 1,4 |
| Kanger Creek Shell Crosk | TE4 TE23 | 8900 9600 | 32 12 | 53N 52N | 88W 88W | 1935 1956 | 2,3,4,5 | 1 | Poison Mosdowe Teton Pase #2 Togwoteo Pass | 1066 10F13 10F9 | 8500 8500 9600 | 29 24 29 | 30 N 41 N 44 N | 116% 118% 110% | 1949 1936 1936 | 2,3,4,5 1,2,3,4,5 2,3,4,5 | 1 1,4 5 |
| PORCUPINE CREEK | , | | | | | | | | furpin Meadowe Yellowjacket Salt River Summit | 10F5 10F10 10G8 | 5930 7575 7900 | 14 33 32 | 45 N 42 N 29 N | 112W 112W 116W | 1936 1936 1948 | 2,3,4 2,3,4,5 2,3,4,5 | 5 4 1,4 |
| Five Springe Falle Medicine Wheel | 7E31 7E30 | 7500 9000 | 19 24 | 56N | 9 ZW 9 ZW | 1955 1956 | 2,3,4,5 | 1 | Snow King Mountain#1 Snow King Mountain#2 | 10F11 10F12 | 7600 7600 | 4 | 40N 40N | 117# 117# | 1949 1954 | S _m i Mo. Semi ko. | 1 |
| TONGUE RIVER | | | 10 | | Obr | 105- | | , | BEAR RIVER | 10035 | 0.50 | | 3 | 1155 | 1001 | 0.4. | , |
| Beaver Tongue Divide Big Goose #1 Sig Goose #2 | 7E2 7E32 | 9200 7700 7700 | 12 | 551: 531: 531: | 91W 65W 86W | 1956 1935 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | Sig Park CCC Camp Sirl Mollow *u | 10G11 10G7 11H17 | 8700 7500 8400 | 7 9 5 | 27N 29% 7N | 117W 118W 5E | 1951 1935 1951 | 2,3,4,5 2,3,4,5 3,4,5 | 1,4 |
| Sone-Spring Divide Surgees R.S. #1 Burgees R.S. #2 | 7E18 7E1 7E33 | 9200 7900 7900 | 32 35 36 | 55N 55N 56G | 89W 89W 89W | 1956 1950 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | Soodman Ra nch su Hayden Fork su Head of Sear Hiver su | 10J5 10J7 10J5 | 7900 9300 8600 | 19 1 15 | 3N 1S 2N | 10E 9E 10E | 1937 1951 1935 | 4 4 5 4 | |
| Dome Lake #1 Dome Laka #2 Gloom Croek | 7E3 7E34 7E14 | 8800 8800 9300 | 11 11 32 | 53N 53N 55N | 67W 67W 87W | 1950 1950 1966 | 2,3,4,5 | 1 1 1 | Kelly R.S. Monte Gristo, R.S. Mu | 10G12 11H12 10G5 | 8200 8960 8500 | 13 3 29 | 25K 8N 30N | 118W 4E 116W | 1951 1930 1948 | 2,3,4,5 | 1 |
| Granite Pase | 7E17 | 8950 | 19 | 54N | 6 g W | 1955 | 2,3,4,5 | 1 | Poison Meadows Salt River Summit | 1095 1098 | 8500 7900 | 32 | 30 N 29 N | 116M 116M | 1948 1948 | 2,3,4,5 | 1,4 |
| Lake Geneva North Tongue Sitley Lake | 7E16 7E15 7E11 | 9000 8800 8000 | 7 17 10 | 52N 55N 55N | 85W 85W 85W | 1956 1956 1956 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | | | | | | | | | |
| Suckor Greek Steamboat Point Wood Rock G.S. | 7E12 7E10 7E13 | 9000 7500 8500 | 19 32 3 | 55 N F 6 N 54 R | 87W 87W 86W | 1956 1955 1955 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1 1 1 | | | | | | | | | |
| POWDER RIVER | | | | | | | | | | | | | | | | | |
| Crezy Woman Auddy Crack G.S. | 651 652 | 8200 7800 | 6 2 | 47N 48N | 84W 84W | 1958 1958 | 2,3,4,5 | 1 1 | | | | | | | | | |
| Munkero Pass *d North Powder #2 *e Onion Gu loh | 788 7E36 7E27 | 9700 8300 8100 | 11 20 31 | 48N 47N 48N | 85W 85W 85W | 1950 1956 1955 | 2,3,4,5 2,3,4,5 2,3,4,6 | 1 1 1 | | , | | | | | | | |
| Soldier Perk Sour Dough | 7E5 7E6 | 8 70 0 8500 | 36 17 | 51N 49N | 8577 84W | 1950 1936 | 2,3,4,5 | 1 | | | | ∜ | | #1" | | | |
| SWEETAATER Grannier Mesdows #1 | 9G4 | 9000 | 19 | 3011 | 100W | 1937 | 2,3,4,5 | 1 | | | | | | | | | |
| Grannier Maadowe #2 Larsen Creek | 866 965 863 | 9000 9000 | 19 12 | 30 N 30 N | 100m 100m 103w | 1955 1949 | 2,3,4,5 | 1 | a. Numerals 1,2,3,4 b. Numerale refer t | о Аделоу | that se | ourse th | | | | il 1, and 1 | ay 1. |
| South Peas | 003 | 9000 | 13 | 30N | TOTA | 1939 | 2,3,4,5 | 1 | 1. Soil Cons 2. U. S. bet 3. U. S. Ind | ional Par ian Servi | k Servi | | | | | | |
| Brooklyn Lake #1 Brooklyn Lake #2 | 6H1 6H13 | 10 200 10200 | 11 11 | 16H 16H | 79N 79N | 1936 1956 | 2,3,4,5 | 1 | 4. U. S. Ford 5. U. S. Burd 6. U. S. Geo | eau of Re logical S | clamati | on, | | | | | |
| Deadman Hill *c Fox Park Heirpin Turn #2 | 5J8 5H12 6H2 | 9200 9500 | 26 21 24 | 10N 13N 16N | 75W 76W 7977 | 1937 1936 1936 | 3,4,5 2,3,4,5 2,3,4,5 | 4 | d. Formerly Muldy Po e. North Powder #1 | urses. | | | | | | | |
| Libby Lodga #2 heintyro =c Pola Mountain #2 | 6H3 6J 15 5H1 | 8700 9100 8 7 00 | 29 35 35 | 16K 10K 15K | 784 764 724 | 1936 1949 1936 | 2,3,4,5 2,3,4,5 2,3,4,5 | 1,4 | C. Sheridan Greek pe m. Montens snow cou e. South Dakota snow | ertially rees. | destroy | ed. | | | | | |
| nomestu pe | V-18 | 3100 | | | | | .,-,-,0 | , | . John Medde Sho | - WIT. B.O.D. | | | | - | 202 5/ | 2) | |

- 6 - WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1958

| | | | | | OW COVER | MEAS U | | | |
|---|--------------------|---------------|--------|-------|----------|--------|--------|-------------|--------|
| DRAINAGE BASIN | No. | | | 1958 | | | | RECORD | |
| and and | $\circ \mathbf{f}$ | | Date | Snow | Water | Water | Conte | nt (ln.) | |
| SNOW COURSE | State | Elev. | of | | Content | | | 1 | Yrs 👵 |
| | | | Survey | (In.) | (In.) | 1957 | 1956 | Averago | EJGCF. |
| | | | | | | | | | |
| MADISON RIVER - YEI | LOWSTONE | PARK | | | | | | | |
| | | | , | | | | | | |
| Norris Basin | 10E2 | 7500 | 2/28 | 29 | 7.9 | 9.1 | 12.5 | 8.6** | 15 |
| 21 Nile ^m | 11E6 | 7150 | 2/28 | 40 | 11.5 | 17.5 | 22 , 5 | 14.5 | 24 |
| West Yellowstone ^m | 11E7 | 6700 | 2/27 | 28 | 5 * 6 | 11.8 | 14.8 | 10.4 | 24 |
| UPPER YELLOWSTONE - | YELLOWST | ONE PARK | | | | | | | |
| - Andreas control of the control of | - | | • | | | | | | |
| Canyon | 10E3 | 7750 | 2/28 | 41 | 10.3 | 14.8 | 18.7 | 10.7* | 19 |
| Cook Citym | 10D7 | 7400 | 2/27 | 25 | 4.6 | 7.7 | 9,6 | 7.0 | 21 |
| Crevice Mountain ^m | 10D5 | 8400 | 2/28 | 22 | 5.3 | 5,3 | 7.9 | 8.3* | 19 |
| East Entrance - | 10E6 | 7000 | 3/1 | 30 | 8.3 | 10.9 | 15.2 | 11.6** | 9 |
| Lake Camp | 10E4 | 7850 | 2/28 | 34 | 7.0 | 7.4 | 17.5 | *3.8 | 18 |
| Lupine Creek | 10E1 | 7300 | 2/27 | 24 | 5.6 | 9.8 | 13.4 | 8.9* | 18 |
| Sylvan Pass | 10E5 | 7100 | 3/1 | 39 | 11.6 | 12.7 | 18.9 | 13.2** | 14 |
| Thumb Divide *** | 10E7 | 7900 | 2/27 | 52 | 15.3 | 19.8 | 33.1 | 21.9** | 11 |
| | | , , , , | , | - | | | | | |
| LOWER YELLOWSTONE - | CLARK'S I | FORK | | | | | | | |
| | | | , | | | | | | |
| Lodgepole | 9E1 | 8200 | 3/2 | 27 | 6.3 | 9.2 | 14.2 | | 2 |
| | | | | | | | | | |
| LOWER YELLOWSTONE - | WIND RIVE | ER | | | | | | | |
| Big Warm | 9F12 | 8800 | 2/25 | 23 | 5.7 | 6.7 | 11,3 | | 3 |
| Brooks Lake | 10F8 | 9200 | 2/24 | 56 | 17.6 | 17.5 | 28.1 | 21.5* | 20 |
| Burroughs Creek | 9F4 | 8800 | 2/26 | 34 | 8.8 | 9.2 | 18.1 | 14.0** | 9 |
| Dinwoodie | 9F10 | 10000 | 2/27 | 28 | 6.7 | 10.0 | 13.3 | 11.4** | 9 |
| Dry Creek | 9F9 | 9500 | 2/27 | 16 | 3.0 | 4.0 | 8.0 | 6.1** | 9 |
| DuNoîr | 9F6 | 8750 | 2/24 | 18 | 3.8 | 5.2 | 9.5 | 7.6* | 17 |
| Geyser Creek | 9F7 | 8 5 00 | 2/26 | 14 | 3.0 | 5.2 | 9.1 | 7.6** | 9 |
| Little Warm | 9F8 | 9 5 00 | 2/25 | 40 | 9.9 | 11.7 | 20.1 | 15.3** | 9 |
| Sheridan R.S. #2 | 9F14 | 7500 | 2/24 | 22 | 6.4 | 5.6 | 9.4 | 1040. | 3 |
| T-Cross Ranch | 9F14 9F3 | 8000 | 2/26 | 13 | 2.5 | 5.2 | 8.9 | 6.3* | 17 |
| Togwotee Pass | 10F9 | 9600 | 2/28 | 70 | 21.5 | 22.6 | 36.2 | 27.0** | 8 |
| TOSWOOD TASS | TOFS | 9000 | 2/20 | 10 | 21.0 | 20 % D | 0000 | ₩ / • U + T | G |

m

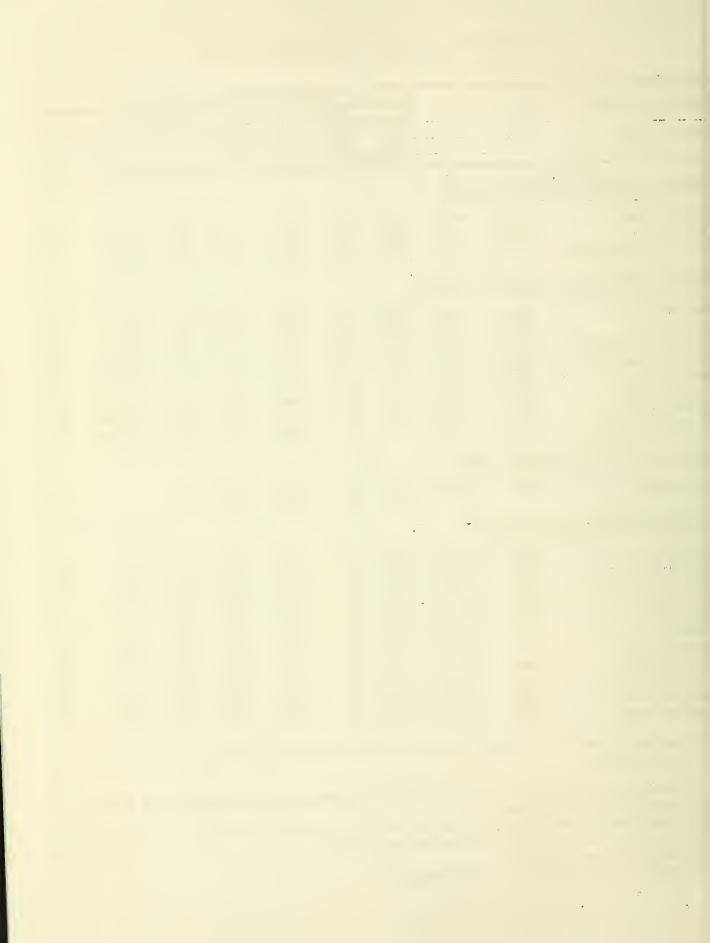
^{*} Average is for the 15 years within and adjacent to the 1938-52 base period.

^{**} Average is for all past data.

^{***} March 1930-1950 water contents estimated from Feb. 15 and March 15 snow surveys and Snake River Station Climatological data.

Montana snow courses.

Not located directly on this drainage.

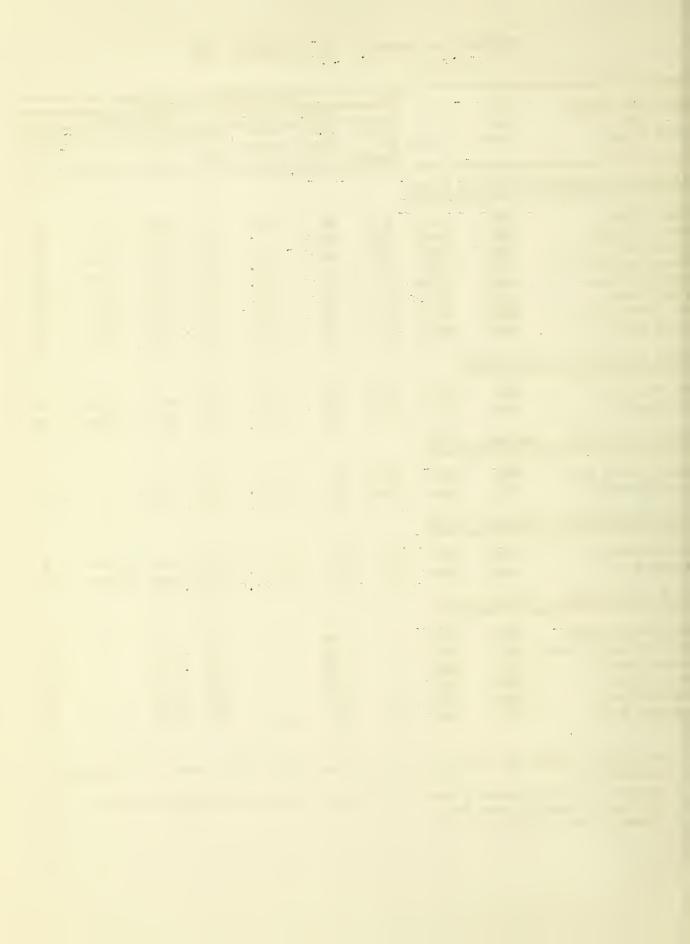


WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1958

| | | | | | NOW COVE | R MEAS | UREMEN | TS | |
|-----------------------|--------------|-----------|------------------|-------|----------|-------------|--------|----------|--------|
| DRAINAGE BASIN | No. | | | 1958 | | | | RECORD | |
| ೩nd | or | | Date | Snow | Water | Water | Conte | nt (In.) | Prior |
| SNOW COURSE | State | Elev. | of | | Content | | | | Yrs of |
| | | | Survey | (In.) | (In.) | 1957 | 1956 | Average | Pecor |
| | | | | | | | | | |
| LOWER YELLOWSTONE - | POPO AGI | E RIVER | | | | | | | |
| | | | | | | | | | |
| Blue Ridge | 8 G 2 | 9500 | 3/1 | 25 | 5.7 | 7.1 | 16.0 | 10.1* | 17 |
| Bruce's Camp | 8 G5 | 6500 | 3/5 | Trace | | 0.0 | 1.0 | | 2 |
| Hobbs Park | 9 G 3 | 10000 | 3/4 | 34 | 7.5 | 13.1 | 20.8 | 17.2** | 9 |
| Mosquito Park R.S. | 9G4 | 9500 | 3/4 | 19 | 3.4 | 4.4 | 9.1 | 7.2** | 14 |
| Sawmill Glade | 8G1 | 8500 | 3/3 | 24 | 4.6 | 3.9 | 8.5 | 6.1* | 18 |
| South Pass | 8 G 3 | 9000 | 3/1 | 32 | 7.2 | 10.8 | 18.3 | 11.8* | 18 |
| St. Lawrence R.S. | 9F11 | 9000 | 3/4 | 14 | 2.0 | 4.0 | 9.8 | 6.2** | 14 |
| Trout Creek | 9 G2 | 8400 | 3/4 | 19 | 3.0 | 3.5 | 5.6 | 5.4** | 9 |
| | | | , | | | | | | _ |
| LOWER YELLOWSTONE - | OWI, CREEL | 7 | | | | | | | |
| | 0.12 | - | | | | | | | |
| Beavers Mill | 9F2 | 8900 | 2/24 | 15 | 3.6 | 3.5 | NR | 6.9** | 8 |
| Owl Creek | 8F1 | 8700 | $\frac{2}{2}/24$ | 14 | 3.3 | 2.9 | 5.6 | 4.7** | 9 |
| W1 0103K | 011 | 0100 | 2/21 | | 3.0 | 240 | 0.0 | 241. | J |
| LOWER YELLOWSTONE - | CREVEIII.I. | RTVER | | | | | | | |
| HOWER TELLOWSTONE - | CIETOCIA | I(T A TIL | | | | | | | |
| Timber Creek #2 | 9E3 | 8800 | 2/25 | 10 | 2.3 | 2.6 | 2.9 | | 3 |
| Wood River #2 | 9F1 | 8000 | 2/25 | 18 | 3.2 | 4.1 | 5.2 | | 3 |
| wood River #2 | SF I | 0000 | 2/20 | 10 | 0.2 | T. T | 0 • 2 | | 9 |
| LOWER YELLOWSTONE - | SHORHOME | מתעדם | | | | | | | |
| HOWER TELEDOWS TONE - | SHOHOME | I/T ADI/ | | | | | | | |
| East Entrance | 10E6 | 7000 | 3/1 | 30 | 8.3 | 10.9 | 15.2 | 11.6** | 9 |
| Sylvan Pass | 10E5 | | $\frac{3}{1}$ | 39 | 11.6 | 12.7 | 18.9 | 13.2** | 14 |
| Sylvan rass | GaOI | 7100 | 3/1 | 39 | 11.0 | 12.1 | 10.9 | 10.67 | 14 |
| TOWER SELECTIONS | MOUTO OD G | 777777 | | | | | | | |
| LOWER YELLOWSTONE - | MOWOOD CI | KEEK | | | | | | | |
| 0-7.3 0 | PTIO # | 0500 | | 3177 | | 7 0 | F 0 | | • |
| Cold Springs Camp | 7E25 | 8700 | | NR | | 3.8 | 7.0 | | 2 |
| Medicine Lodge Lakes | | 9500 | | NR | | 7.1 | 11.4 | | 2 |
| Munkres Passd | 7E8 | 9700 | | NR | | 6.5 | 9.7 | | 3 |
| Onion Gulch | 7E27 | 8100 | | NR | | 7.0 | 9.9 | | 2 |
| Tensleep Lake | 7E26 | 9075 | , | NR | | 7.4 | 11.0 | | 2, |
| Tensleep R.S. | 7E 7 | 8300 | 3/4 | 29 | 5.1 | 5.1 | 7.9 | | 3 |
| | | | | | | | | | |

Average is for 15 years within and adjacent to the 1938-52 base period. Average is for all past data.

Formerly Muddy Pass. d



| | | | | | MOW COVER | D Mark C | 110 10 n arch | imc | |
|----------------------|------------|---------|---------------|-----------------|------------|------------|---------------|------------|--------|
| DRAINAGE BASIN | No. | | | 1958 | NOW COVE | R MEAS | | RECORD | |
| and | or | | Date | Snow | Water | Water | | nt (In.) | Frior |
| SNOW COURSE | State | Elev. | of | | Content | | OOMCO | 110 (1:10) | Yrs of |
| | | | Survey | | | 1957 | 1956 | Average | 7 |
| LOWER YELLOWSTONE - | SHELL CRI | EEK | | | | | | | |
| Bald Mountain | 7E21 | 9600 | 2/24 | 51 | 12.6 | 13.0 | 16.8 | | 2 |
| Beaver-Tongue Div. | 7E20 | 9200 | 2/24 | 49 | 11.8 | 12.0 | 16.7 | | 2 |
| Bone-Spring Div. | 7E18 | 9200 | 2/26 | 41 | 10.2 | 11.7 | 14.8 | | 2 |
| Granite Creek Camp | 7E22 | 7800 | 2/27 | 17 | 3.2 | 3.0 | 5.2 | | 2 |
| Granite Pass | 7E17 | 8950 | 2/26 | 39 | 9.8 | 12.1 | 14.6 | | 2 |
| Ranger Creek | 7E4 | 8800 | 2/27 | 32 | 6.2 | 6.1 | 9.4 | | 3 |
| LOWER YELLOWSTONE - | PORCUPINE | E CREEK | | | | | | | |
| Five Springs Falls | 7E31 | 7500 | 3/3 | 22 [.] | 4.6 | 3.2 | 4.4 | | 2 |
| Medicine Wheel | 7E30 | 9000 | 2/25 | 40 | 10.5 | 10.5 | 12.4 | | 2 |
| LOWER YELLCWSTONE - | TONGUE RI | VER | | | | | | | |
| Beaver-Tongue Div. | 7E20 | 9200 | 2/24 | 49 | 11.8 | 12.0 | 16.7 | | 2 |
| Big Goose #2 | 7E32 | 7700 | 3/5 | 21 | 4.3 | 4.5 | 7.6 | | 2 |
| Bone-Spring Divide | 7E18 | 9200 | 2/26 | 41 | 10.2 | 11.7 | 14.8 | | 2 |
| Burgess R.S. #2 | 7E33 | 7900 | 2/25 | 20 | 4.4 | 4.1 | 6.6 | | 2 |
| Dome Lake #2 | 7E34 | 8800 | $\frac{3}{4}$ | 26 | 5.4 | 7.0 | 9.0 | | 2 |
| Gloom Creek | 7E14 | 9300 | 2/27 | 3 4 | 7.8 | 7.6 | 11.0 | | 2 |
| Granite Pass | 7E17 | 8950 | 2/26 | 39 | 9.8 | 12.1 | 14.6 | | 2 |
| Sibley Lake | 7E11 | 8000 | 2/28 | 33 | 6.4 | 5.7 | 8.3 | | 2 |
| Sucker Creek | 7E12 | 9000 | 2/27 | 32 | 7.7 | 7.0 | 9.7 | | 2 |
| Steamboat Point | 7E10 | 7500 | 2/28 | 17 | 3.5 | 3.8 | 6.6 | | 2 |
| Wood Rock G. S. | 7E13 | 8500 | 2/27 | 28 | 6.2 | 7.2 | 9.6 | | 2 |
| LOWER YELLOWSTONE - | POWDER RI | VER | | | | | | | |
| Muddy Creek G.S. | 7E28 | 7800 | | NR | | 2.0 | 5.2 | | 2 |
| Munkres Passd | 7 E8 | 9700 | | NR | | 6.5 | 9.7 | | 3 |
| Onion Gulch | 7E27 | 8100 | | NR | | 7.0 | 9.9 | | 2 |
| Soldier Park | 7E5 | 8700 | 3/11 | 22 | 3.7 | 1.7 | 8.4 | 3.8** | 6 |
| Sour Dough | 7E6 | 8500 | 3/10 | 27 | 4.7 | 4.1 | 9.6 | 0.00 | 2 |
| NORTH PLATTE - SWEET | WATER | | · | | | | | | |
| Grannier Meadows #1 | 864 | 9000 | 3/1 | 32 | 6 7 | 10.7 | 16 6 | 11 5 | 21 |
| Larson Creek | 8G4 9G6 | 9000 | 2/28 | 37 | 6.7 8.4 | 10.7 | 16.6 | 11.5 | 21 |
| South Pass | 9 G S | 9000 | 3/1 | 32 | 7.2 | NR 10.8 | 14.7 | 11.2** | 7 |
| - oddi 1ass | O GO | 9000 | 3/ 1 | 32 | 106 | 10.8 | 18.3 | 11.8* | 18 |
| A | 2 5 | , | | 3050 | 3.050 | | | _ | |

^{*} Average is for 15 years within and adjacent to the 1938-52 base period.

^{**} Average is for all past data.

d Formerly Muddy Pass.

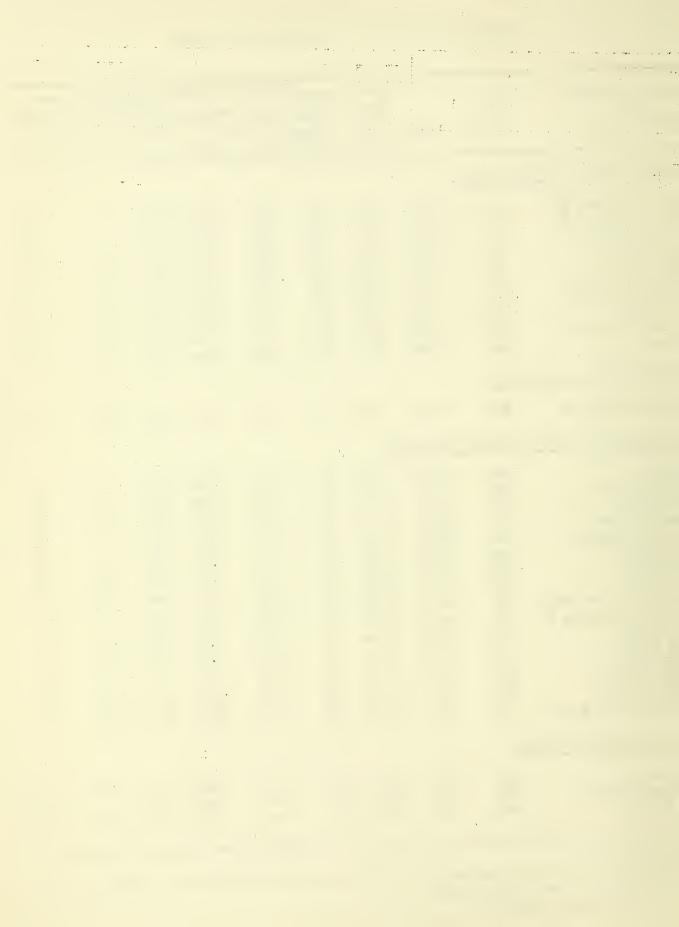


| DDATINGD DAGTI | | | | | NOW COVE | R MEAS | | | |
|---|-------------|-----------------------|------------------------------|--------------------------|------------------|--------------|--------------|--------------|-----------------|
| DRAINAGE BASIN | No. | | | 1958 | 7nf _ 1 _ | 707- 4- | | RECORD | 12 |
| and | or | Plan | Date of | Snow | Water Content | | Conte | nt (In.) | |
| SNOW COURSE | State | Elev. | Survey | | | 1957 | 1956 | Averngo | Yrs of Boore |
| NORTH PLATTE - LARAM | IE RIVER | · | | | | | | | |
| Brooklyn Iako #1 | 6H1 | 10200 | 2/24 | 61 | 20.2 | 23.4 | 26,2 | 17.9 | 21 |
| Brooklyn Lake #2 Cameron Pass | 6H13 5J1 | 10200 | $\frac{2}{24}$ $\frac{3}{4}$ | 5 9 7 0 | 18.9 | 21.2 | 24.4 24.2 | 16 7 | 2 21 |
| Deadman Hill ^c | 5J6 | 10300 10200 | $\frac{3}{4}$ | 50 | 18.0 12.5 | 12.0 | 17.8 | 16.7 11.4 | 21 |
| Fox Park | 6H12 | 9200 | $\frac{2}{26}$ | 29 | 7.0 | 7.4 | 8.5 | 5.5 | 21 |
| Hairpin Turn #2 | 6H2 | 9500 | 2/24 | 33 | 9.7 | 11.5 | 13.8 | 9.2 | 2.0 |
| Libby Lodge #2 | 6H3 | 8700 | 2/24 | 31 | 8.9 | 10.2 | 12.1 | 8.3 | 20 |
| Mc Intyre c " | 5J15 | 9100 | 3/1 | 30 | 7.3 | 12.4 | 14,4 | 10.1** | 9 |
| Pole Mountain #2 | 5H1 | 8700 | 2/25 | 11 | 2.1 | 6.40 | 6.3 | 4.3 | 22 |
| Roach ^c | 6J 8 | 8900 | 3/4 | 56 | 14.8 | 16.8 | 22.7 | 15.1* | 17 |
| NORTH PLATTE - CROW | CREEK | | | | | | | | |
| Pole Mountain #2 | 5H1 | 8700 | 2/25 | 11 | 2.1 | 6.0 | 6.3 | 4.3 | 22 |
| NORTH PLATTE - ABOVE | SEMINOE | RESERVO | IR | | | | | | |
| Albany | 6H11 | 9400 | 2/24 | 40 | 11.0 | 13.5 | 16.6 | 12.7** | 9 |
| Bottle Creek | 6H8 | 8200 | 2/26 | 35 | 9.7 | 16.2 | 15,6 | 11.4 | 20 |
| Boxelder | 5G1 | 9000 | 3/3 | 21 | 4.0 | 5,2 | 3.7 | 4.7** | 8 |
| Cameron Pass ^c | 5J1 | 10300 | 3/4 | 70 | 18.0 | 19.0 | 24.2 | 16.7 | 21 |
| Casper Mountain | 6Gl | 8700 | 2/28 | 37 | 8.4 | 8.5 | 8.1 | | 2 |
| Columbine ^C | 6D3 | 9300 | 2/28 | 76 | 21.8 | 23.9 | 27.4 | 18.4 | 22 |
| Fox Park | 6H12 | 9200 | 2/26 | 29 | 7.0 | 7.4 | 8.5 | 5.5 | 21 |
| La Bonte | 5G2 | 8450 | 2/26 | 16 | 3.4 | 4.9 | 4.5 | 5.7** | 9 |
| North Barrett Cr.#2 North French Cr. #1 | 6H5 6H4 | 9400 1 0200 | 2/27 2/27 | 82 94 | 20.6 31.2 | 17.8 27.9 | 19.6 29.2 | 15.2 23.2 | 21 20 |
| Northgate ^C | 6J7 | 8500 | 2/28 | 22 | 4.3 | 7.3 | 7.5 | 5.7** | 8 |
| Old Battle | 6H10 | 9800 | 2/26 | 79 | 26.6 | 33.2 | 32.6 | 25.5 | 21 |
| Park Viewc | 6J2 | 9200 | 2/27 | 20 | 5.2 | 9.3 | 9.7 | 7.7 | 22 |
| Ryan Park #2 | 6H6 | 8400 | 2/28 | 53 | 10.2 | 11.7 | 13.0 | 8.8 | 21 |
| Webber Spring | 6H9 | 9000 | 2/26 | 44 | 12.6 | 19.5 | 19.2 | 14.9 | 20 |
| Willow Creek Passc | 6J5 | 9500 | 2/27 | 34 | 8.8 | 13.2 | 13.6 | 10.4 | 20 |
| NORTH LARAMIE MOUNTA | | | · | | h. | | | | |
| Boxelder | E.03 | 0000 | 7 /7 | 27 | | E @ | 7 17 | A 17 steats | 0 |
| Casper Mountain | 5G1 6G1 | 9000 8700 | 3/3 2/28 | 21 37 | 4.0 8.4 | 5.2 | 3.7 | 4.7** | 8 2 |
| La Bonte | 5G2 | 8450 | 2/26 | 16 | 3.4 | 8.5 4.9 | 8.1 4.5 | 5.7** | ے 9 |
| | 300 | 0 200 | 2/20 | 10 | 0.4 | ∓ • ∂ | T. O | 00 (77.0 | J |

Average is for 15 years within and adjacent to the 1938-52 base period.

^{**} Average is for all past data.

c Colorado snow courses.



- 10 - WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1958

| | | | SNOW COVER MEASUREMENTS | | | | | | |
|------------------------|--------------|---------------|-------------------------|------------|------------|-------|--------|--------------|--------|
| DRAINAGE BASIN | No. | | | 1958 | 11011 0011 | 1 | | ST RECOR |) |
| and | or | | Date | Snow | Water: | Water | Conte | | Prior |
| SNOW COURSE | State | Elev. | of | | Content | 1 | 001100 | 110 (1110) | Yrs of |
| bitos: odditeb | 5 04 00 | 21000 | Survey | | | 1957 | 1956 | Average: | |
| | | | jouriog | (==== / | (2114) | 1200 | 1000 | | |
| UPPER COLORADO - GREE | N RIVER | | | | | | | | |
| 011111 | | | | | | | | | |
| Big Park | 10G11 | 8700 | 3/10 | 64 | 17.9 | 15.6 | 25.1 | 18.6* | 6 |
| Dutch Joe R.S. | 9 G5 | 8700 | 3/4 | 30 | 7.6 | 8.3 | 9.3 | 8.2* | 6 |
| East Rim Divide | 10F17 | 7950 | 2/28 | 33 | 8.9 | 9.3 | 12.8 | 10.3** | 18 |
| Green River Lakes | 9F16 | 8100 | 3/6 | 17 | 3.0 | 4.1 | 5.5 | | 2 |
| Gros Ventre Summit | 10F19 | 8750 | 3/7 | 31 | 7.2 | 9.0 | 14.5 | 11.0* | 10 |
| Kelly R. S. | 10G12 | 8200 | 3/10 | 58 | 17.4 | 14.2 | 22.3 | | 3 |
| Kendall R. S. | 10F15 | 7900 | 3/6 | 29 | 7.5 | 8.0 | 11.9 | 10.6** | 17 |
| Loomis Park | 10F16 | 8500 | 3/8 | 46 | 13.4 | 15.8 | 20.8 | 15.6** | 17 |
| Mulligan Park | 9 G 1 | 8900 | 3/3 | 33 | 8.1 | 9.7 | 11.6 | 9.5** | 16 |
| Old Battle : | 6H10 | 9800 | 2/26 | 79 | 26.6 | 33.2 | 32.6 | 25.5 | 21 |
| Piney-LaBarge | 10G10 | 8320 | | Repor | | 16.0 | 24.4 | | 3 |
| Poison Meadows | 10G6 | 8500 | | Repor | | 25.9 | 41.3 | 25.6* | 10 |
| Snyder Basin R.S. #2 | 10G13 | 8040 | | Repor | | 13.4 | 18.8 | | 2 |
| Soda Lake | 10G14 | 8300 | | Repor | | 15.1 | NR | | 1 |
| Triple Peaks | 10G15 | 8600 | | Repor | | 23.9 | NR | | 1 |
| | | | 250.00 | opo- | . • | | | | |
| SNAKE RIVER - ABOVE J. | ACKSON L | AKE | | | | | | | |
| | | | , | | | | | | |
| Arizona*** | 10F1 | 68 5 0 | 2/27 | 5 0 | 14.8 | 18.8 | 26.1 | 15. 8 | 28 |
| Aster Creek*** | 10E8 | 7700 | 2/27 | 69 | 21.8 | 29.8 | 44.5 | 26.8 | 28 |
| Base Camp*** : | 10F2 | 6900 | 2/28 | 46 | 13.8 | 18.4 | 23.7 | 18.0* | 11 |
| Coulter Creek*** | 10E10 | 7 000 | 2/26 | 64 | 18.9 | 25.4 | 28.0 | 19.7 | 28 |
| Glade Creek*** | 10E13 | 7200 | 2/27 | 60 | 19.5 | 22.1 | 29.9 | 19.7 | 28 |
| Grassy Lake : | 10E15 | 7265 | 3/1 | 81 | 28.0 | 35.8 | 42.6 | 29.4** | 18 |
| Huckleberry Div. *** | 10E14 | 7300 | 2/27 | 55 | 17.1 | 18.1 | 26.2 | 16.9 | 28 |
| Lewis Lake Div. *** | 10E9 | 7900 | 2/27 1 | .01 | 34.1 | 41.1 | 61.3 | 35.5 | 28 |
| Moran*** | 10F4 | 6800 | 2/28 | 40 | 11.5 | 12.1 | 16.6 | 10.4 | 2:8 |
| Moran Bay*** | 10F3 | 6800 | 2/28 | 66 | 21.5 | 20.1 | 27.9 | 18.6 | 28 |
| Snake River Sta. *** | 10E12 | 6780 | 2/27 | 5 8 | 18.1 | 20.7 | 28.2 | 17.4 | 28 |
| Thumb Divide *** | 10E7 | 7900 | 2/27 | 52 | 15.3 | 19.8 | 33.1 | 21.9* | 11 |
| | | | | | | | | | |

^{*} Average is for 15 years within and adjacent to the 1938-52 base period.

^{**} Average is for all past data.

^{***} March 1, 1930-52 water contents estimated from February 15 and March 15 snow surveys and Snake River Station Climatological data.

Not located directly on this drainage.

en All A . . .

- 11 - WYOMING SNOW SURVEYS - ABOUT MARCH 1, 1958

| | | | | SN | OW COVER | MEAS U | REMENT | S | |
|------------------------------|---------------|---------------|--------|---------------|----------|--------|--------|---------|--------|
| DRAINAGE BASIN | $No \cdot$ | | | 19 5 8 | | | | RECORD | |
| and | or | | Date | Snow | Water | | Conte | nt(In.) | Frior |
| SNOW COURSE | State | Elev. | of | | Content | ž. | | | Yrs of |
| | | | Survey | (In.) | (In.) | 1957 | 1956 | Average | Record |
| | | | | | | | | | |
| JACKSON JAKE TO PALIS | SADES | | | | | | | | |
| Afton R.S. | 10G4 | 6200 | 3/3 | 19 | 6.0 | 4.2 | 4.6 | 4.6 | 22 |
| Blackrock | 10F7 | 8600 | 2/28 | 5 9 | 16.3 | 16.1 | 27.5 | 20.2* | 8 |
| Bryan Flat | 10F14 | 6250 | 2/28 | 35 | 8.9 | 8.3 | 11.1 | 8.9 | 22 |
| CCC Camp | 10G7 | 7500 | 3/3 | 35 | 10.7 | 11.4 | 13.2 | 9.7 | 22 |
| East Rim Divide | 10F17 | 7950 | 2/28 | 33 | 8.9 | 9.3 | 12.8 | 10.3** | 18 |
| Four Mile Meadows | 10F6 | 7770 | 2/28 | 39 | 10.1 | 10.4 | 16.9 | 12.1* | 8 |
| Greys Boundary | 10F18 | 5 800 | 2/28 | 41 | 13.5 | 8.5 | 11.5 | 10.6 | 22 |
| Gros Ventre Summit | 10F19 | 8750 | 3/7 | 31 | 7.2 | 9.0 | 14.5 | 11.0* | 10 |
| Grover Park Divide | 10 <i>G</i> 3 | 7500 | 3/3 | 45 | 13.0 | 9.9 | 13.1 | 9.8 | 22 |
| Loomis Park : | 10F16 | 8500 | 3/8 | 46 | 13.4 | 15.8 | 20.8 | 15.6** | 17 |
| Poison Meadows | 10 G 6 | 8500 | Late | e Repo | rt | 25.9 | 40.3 | 25.6* | 10 |
| Salt River Summit | 10 G 8 | 7900 | 2/28 | 51 | 16.1 | 14.6 | 18.2 | 13.9* | 10 |
| Snow King Mtn. #1 | 10F11 | 7600 | 2/27 | 35 | 9.7 | 9.2 | 14.7 | 10.2* | 8 |
| Snow King Mtn. #2 | 10F12 | 7200 | 2/27 | 34 | 9.1 | 9.0 | 12.7 | | 4 |
| Teton Pass #2 | 10F13 | 8500 | 2/28 | 97 | 30.1 | 28.4 | 42.4 | 31.5* | 13 |
| Togwotee Pass | 10F9 | 9600 | 2/28 | 70 | 21.5 | 22.6 | 36.2 | 27.0* | 8 |
| Turpin Meadows | 10F5 | 6930 | 2/28 | 37 | 10.1 | 10.1 | 14.1 | 10.5* | 8 |
| Yellowjacket | 10F10 | 7675 | 2/26 | 27 | 4.7 | 4.5 | NR | 5.4** | 16 |
| | | | | | | | | | |
| BEAR RIVER | | | | | | | | | |
| Big Park | 10G11 | 8700 | 3/10 | 64 | 17.9 | 15.6 | 25.1 | 18.6* | 6 |
| CCC Camp | 10G7 | 7500 | 3/3 | 35 | 10.7 | 11.4 | 13.2 | 9.7 | 22 |
| Kelly R. S. | 10G12 | 8200 | 3/10 | 5 8 | 17.4 | 14.2 | 22.3 | | 3 |
| Monte Cristo R.S.u | 11H12 | 8960 | , | | | | | | |
| Poison Meadows | 10 G 6 | 8500 | Lat | e Repo | rt | 25.9 | 41.3 | 25.6* | 10 |
| Salt River Summit | 10 G 8 | 7900 | 2/28 | 51 | 16.1 | 14.6 | 18.2 | 13.9* | 10 |
| MISSOURI - CHEYENNE F | TVED | | | | | | | | |
| - TOO OUT OUR TENNET F | rT ADY/ | | | | | | | | |
| Upper Spearfish ^S | 3E1 | 6 5 00 | 2/28 | 26 | 4.0 | 5.4 | 4.1 | 5.5** | 14 |

^{*} Average is for 15 years within and adjacent to the 1938-52 base period.

^{**} Average is for all past data.

s South Dakota snow courses.

u Utah snow courses.

Not located directly on this drainage.



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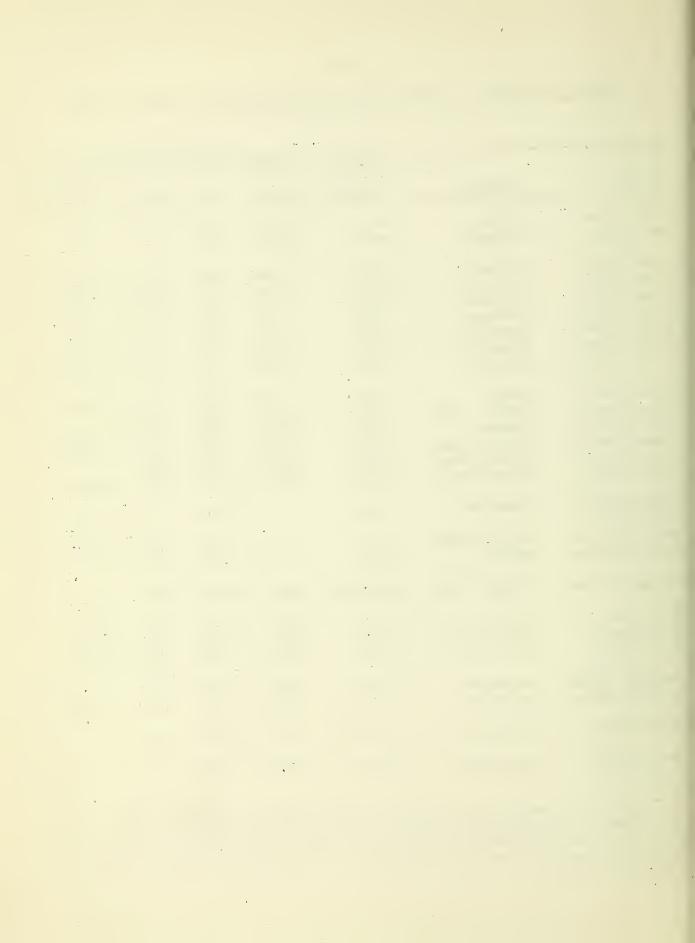
STATUS OF WYOMING AND SOUTH DAKOTA RESERVOIR STORAGE - MARCH 1, 1958

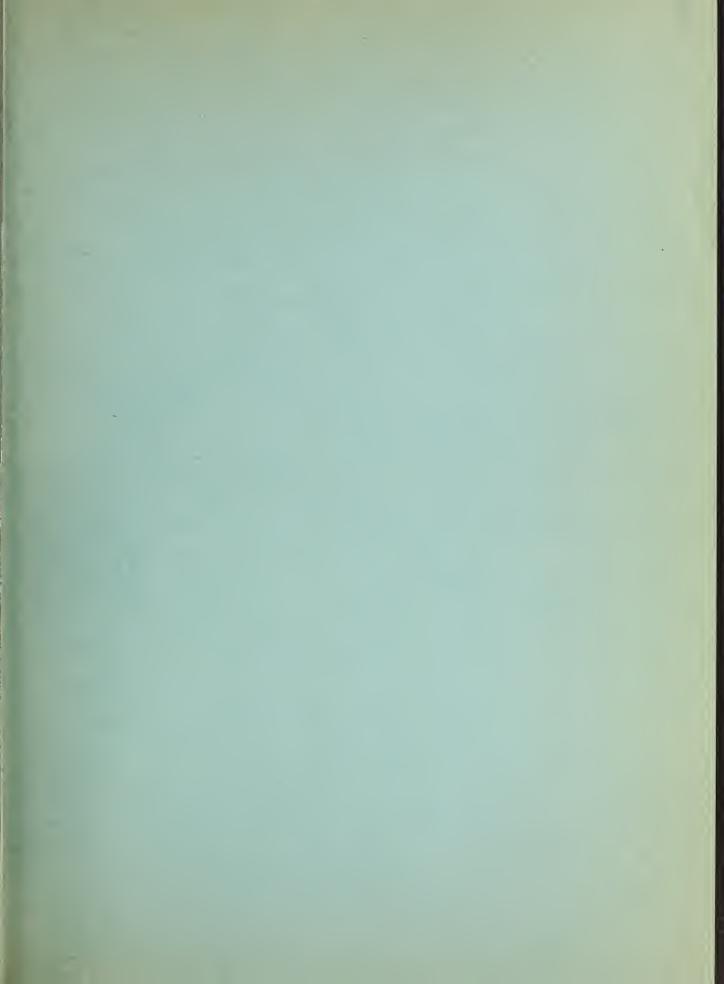
| BASIN | | USABLE | USABLE | STORAGE | - 1000 | ACRE FOUT |
|----------------|---------------|----------|--------|---------|--------|-----------|
| and/or | | CAPACITY | | | | 15-YrAvg. |
| STREAM | RESERVOIR | 1000s AF | 1958 | 1957 | 1956 | 1938-52 |
| | | | | | | |
| Snake River | Jackson | 847.0 | 567.6 | 119.6 | 379.8 | 488.7 |
| Snake River | Palisade | 1202.0 | 652.1 | 376.7 | | |
| | | | | | | |
| North Platte | Seminoe | 981.8 | 601.2 | 267.2 | 231.0 | 351.0* |
| North Platte | Pathfinder | 1011.0 | 700.0 | 244.2 | 406.3 | 415.1* |
| North Platte | Alcova** | 190.5 | 38.0 | 171.6 | 164.1 | 81.7 |
| North Platte | Guernsey | 39.8 | 29.1 | 39.5 | 29.5 | 36.6 |
| North Platte | Sutherland | 70.0 | 49.0 | 32.0 | 47.6 | 49.6 |
| North Platte | Kingsley | 1900.0 | 997.7 | 614.4 | 871.3 | 1125.6 |
| North Platte | Minatare | 60.8 | 33.5 | 1.9 | 15.6 | 17.8* |
| | | | | | | |
| Kansas Basin | Bonny | 39.9 | 41.2 | 36.0 | 38.9 | 19.6* |
| Kansas Basin | Swanson Lake | 116.1 | 116.4 | 77.9 | 57.9 | |
| Kansas Basin | Enders | 36.0 | 35.5 | 32.0 | 42.4 | 20.3* |
| Kansas Basin | Harry Strunk | 33.9 | 32.6 | 23.9 | 27.2 | 25.4* |
| Kansas Basin | Harlan County | 252.9 | 266.1 | 51.7 | 179.7 | |
| Kansas Basin | Cedar Bluff | 176.8 | 181.0 | 112.0 | 128.1 | 157.3* |
| | | | | | | |
| Laramie River | Wheatland | 95.0 | | N.R. | 3.0 | 35.7 |
| | | | | | | |
| Belle Fourche | Belle Fourche | 185.2 | 66.0 | 37.0 | 78.2 | 102.9* |
| Belle Fourche | Keyhole | 190.3 | 1.9 | 12.8 | 19.6 | |
| | 0 - | | | | | |
| Shoshone River | Buffalo Bill | 380.3*** | 161.9 | 128.2 | 122.1 | 264.6 |
| | | | | | | |
| Wind River | Boysen | 560.0 | 249.1 | 220.0 | 13.1 | 122.0* |
| Wind River | Pilot Butte | 31.6 | 15.9 | 14.3 | 14.6 | 14.5* |
| Wind River | Bull Lake | 152.0 | 66.5 | 67.8 | 62.3 | 56.5* |
| | | | | | 0.20 | |
| Cheyenne River | Angostura | 92.0 | 55.9 | 27.8 | 74.9 | 44.0* |
| Chayenne River | Deerfield | 15.1 | 11.3 | 8.2 | 9.9 | 13.5* |
| <i>V</i> | | | | | | |
| Grand River | Shadehill | 84.0 | 79.4 | 75.4 | 70.1 | |
| | | | | | | |
| Green River | Big Sandy | 38.3 | 34.3 | 10.2 | 6.4 | |
| | -0 | | | | | |

^{*} Average is for less than 15 years of record in the 1938-52 period.

^{**} Alcova, downstream from Seminoe and Pathfinder and containing 160,170 Acre Fect of active storage that is unavailable to the Kendrick Project.

^{***} Usable capacity 439,800, however, 59,500 Acre Feet are inactive except in emergency.





Federal - State - Private COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"